Need for data science:

1.What is Data Science?

- o Briefly explain what data science is and its primary objective.

2. **What are the key steps in the Data Science process?**

- o List and describe the key stages of data science.

3. **What is the difference between structured and unstructured data?**

- o Provide an example of each type of data.

4. **What is the role of a Data Scientist?**

- o What are the primary responsibilities of a data scientist in an organization?

5. **What is meant by Data Wrangling?**

- o Define data wrangling and explain its importance in data science.

6. **What is Machine Learning in Data Science?**

- o Give a brief explanation of machine learning and how it is related to data science.

7. **What is the difference between Supervised and Unsupervised Learning?**

- o Explain the difference between these two types of machine learning techniques.

8. **What are the types of Data Analytics?**

- o List and explain the different types of data analytics techniques.

9. **What is the purpose of Data Visualization?**

- o Explain how data visualization is used to represent data insights.

10. **What is Big Data?**

- o Provide a brief description of big data and its significance in data science.